

## Weekly report (2017-5-22 ----- 2017-5-28)

May 28<sup>th</sup>, 2017, 16:41pm

### 1. Programming skills

This week I participated the training program which is led by Qi Wang. Qi Wang divided the programming into several parts that had an internal logical sequence and this made it easier for participants to accept.

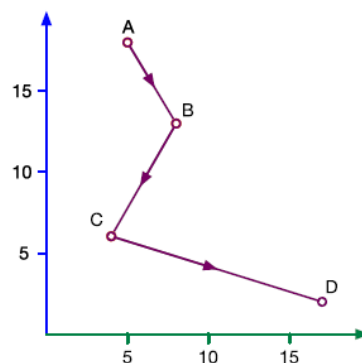
I had encountered several problems which may be useful for others, I intend to organize these contents into a blog and share it on the internet to help these people who may also come across similar problems with me.

The first problem is about git, which can be described as when you has modified the config under the condition that you have two git accounts, you still could not read from remote repository. The second problem is about nodejs, which can be described as nodejs cannot find installed the module on Windows10.

### 2. Research

#### 2.1 paper reading

##### 1. The Connected Scatterplot for Presenting Paired Time Series



Presenting two related time series data in a scatterplot or use a line to connect them, which is using widely in the news media, but people may be mainly concerned about visualization but not exploration. The paper discussed Connected Scatterplot(CS) which have been used before and the experiments and evaluations they have done.

## 2. Dynamic Path Exploration on Mobile Devices



The author proposed a visual method to explore path on mobile devices. They found two drawbacks, and then, they proposed a new framework to overcome the drawbacks. The paper also refers to an algorithm for binary integer program(BIP) which models the placement of detail lenses. Finally, they made two user studies to evaluate their framework.

This paper reminds me of Baidu real map, in our daily live, if I am planning to go to someplace where I have never been there before, I will open the map of Baidu, search this place in advance and look at the real around the street and the building around the place. It makes my live more convenient.

## 3. Tasks in the near future

### 3.1 TOEFL

Only a few days left, I will do my best.